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		/organism="Homo sapiens"
		/db_xref="taxon:9606"
		/clone="DKFZp68610483"
		/clone_1lb="686 (synonym: hlcc3)"
		/tissue_type="human skeletal muscle"
		/dev_stage="adult"
		/lab_host="DH10B"
		/note="Vector: pT7blue; Site_1: SfiI; Site_2: SfiIB; cDNA-collection"
BASE COUNT	127 a 107 c 132 g 156 t	
ORIGIN		
Query Match	97.4%; Score 495; DB 9; Length 522;	
Best Local Similarity	99.8%; Pred. No. 4.4e-90;	
Matches 506; Conservative 0; Mismatches 0; Indels 1; Gaps 1;		
OY	2 CCAAAATGGCGGACGAGTGTGTGATATACCCGACGGGACCAACACCGCGCGGCA	61
Db	16 CCAAAATGGCGGACGAGTGTGTGATATACCCGACGGGACCAACACCGCGCGGCA	75
OY	62 AGAAGCGCTTTTAAATGAAAAAGTGAATGACGTAGCCCTGCGGCGTGGATATTGG	121
Db	76 AGAAGCGCTTTTAAATGAAAAAGTGAATGACGTAGCCCTGCGGCGTGGATATTGG	135
OY	122 TTGATTAAGTGTGATGATGTCAGAACCAATTAATGATTTGATTAAGTCAAGCTA	181
Db	136 TTGATTAAGTGTGATGATGTCAGAACCAATTAATGATTTGATTAAGTCAAGCTA	195
OY	182 ACCAGCGCTCCGCTACTTCAGAAAGTGTGATGTCATGGGAGTCTGTAAACATGCT	241
Db	196 ACCAGCGCTCCGCTACTTCAGAAAGTGTGATGTCATGGGAGTCTGTAAACATGCT	255
OY	242 TTCACCTTCACATGCAATCTCTGCTGGCTCAAAACACAGAGGTGTGTCATGGACA	301
Db	256 TTCACCTTCACATGCAATCTCTGCTGGCTCAAAACACAGAGGTGTGTCATGGACA	315
OY	302 GAGAGTGGGAATTCCAAAAGTATGGGACATAGAAAGAATCTTCCATCAAGCTTAAT	361
Db	316 GAGAGTGGGAATTCCAAAAGTATGGGACATAGAAAGAATCTTCCATCAAGCTTAAT	375
OY	362 GTTTGTGATTAATTAATGATGACCTTCCCTGCTGTACCTAATTAATTAATGATGAAC	421
Db	376 GTTTGTGATTAATTAATGATGACCTTCCCTGCTGTACCTAATTAATTAATGATGAAC	434
OY	422 TGTGTTTTTCTGCTTTGTTTTTCAAGTTGCTGTTCTGTAGGCATATTGATTTCTGT	481
Db	435 TGTGTTTTTCTGCTTTGTTTTTCAAGTTGCTGTTCTGTAGGCATATTGATTTCTGT	494
OY	482 GTCAATTAAGTCCAGTTGATTCGG 508	
Db	495 GTCAATTAAGTCCAGTTGATTCGG 521	
RESULT 2		
LOCUS	BG337472	
DEFINITION	BG337472	
ACCESSION	BG337472	
VERSION	BG337472.1	
KEYWORDS	GI:13143910	
SOURCE	EST.	
ORGANISM	human.	
	Homo sapiens	
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;	
	Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.	
REFERENCE	1 (bases 1 to 525)	
AUTHORS	NIH-MGC http://www.ncbi.nlm.nih.gov/	
TITLE	National Institutes of Health, Mammalian Gene Collection (MGC)	
JOURNAL	Unpublished (1999)	
COMMENT	Contact: Robert Strausberg, Ph.D.	
	Email: cgabbs-remail.nih.gov	

FEATURES	source
Tissue Procurement: ATCC	
CDNA Library Preparation: Ling Hong/Rubin Laboratory	
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNLN)	
DNA Sequencing by: Incyte Genomics, Inc.	
Clone distribution: MCC clone distribution information can be found through the I.M.A.G.E. Consortium/LNLN at:	
http://image.lnl.gov	
Plate: LINC1250 row: e column: 01	
High quality sequence stop: 525.	
Location/Qualifiers	
1. 525	
/organism="Homo sapiens"	
/db_xref="taxon:9606"	
/clone="IMAGE:4553064"	
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/tissue_type="leiomyosarcoma cell line"	
/lab_host="DH10B (phage-resistant)"	
/note="Organ: uterus; Vector: pORF7; Site:1: XhoI; Site:2: EcoRI; CDNA made by oligo-dt priming. Directionally cloned into EcoRI/XhoI sites using the following 5' adaptor: GGCGACGAG(G). Size-selected >500bp for average insert size 1.8kb. Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies). Note: this is a NIH_MGC Library."	
BASE COUNT	144 a 105 c 125 g 151 t
ORIGIN	
Query Match	97.4%; Score 495; DB 12; Length 525;
Best Local Similarity	99.8%; Pred. No. 4.4e-90;
Matches	506; Conservative 0; Mismatch 0; Indels 1; Gaps 1;
2 CCAAAATGGCGGCACGATGATGTGATATACCCGACGACACAAACGCGCGGGCA 61	
2 CCAAAATGGCGGCACGATGATGTGATATACCCGACGACACAAACGCGCGGGCA 61	
62 AGAAGCGCTTGAATGAAAAAGTGAATGACGATAGCCCTCTGGGCTGGGATATTGTGG 121	
62 AGAAGCGCTTGAATGAAAAAGTGAATGACGATAGCCCTCTGGGCTGGGATATTGTGG 121	
122 TTGATTAACGTGCGCATGCGACGAGACCAATATGATCTTTGCATACAAATGTCAAAGCTA 181	
122 TTGATTAACGTGCGCATGCGACGAGACCAATATGATCTTTGCATACAAATGTCAAAGCTA 181	
182 ACCAGGCGTCGCGCTACTTCAGAAAGATGACTGTGCATGAGGAGTCTGTACCACTGCTT 241	
182 ACCAGGCGTCGCGCTACTTCAGAAAGATGACTGTGCATGAGGAGTCTGTACCACTGCTT 241	
242 TTCACCTTCACATGCATCTCTCGCTGGCTCAAAACGACAGAGTGTGCTCAATG3ACAAACA 301	
242 TTCACCTTCACATGCATCTCTCGCTGGCTCAAAACGACAGAGTGTGCTCAATG3ACAAACA 301	
302 GAGAGTGGGAATTCGAAAAGTATGGGACCTGGAAGAAGACTTCCGATCAAGCTTAAAT 361	
302 GAGAGTGGGAATTCGAAAAGTATGGGACCTGGAAGAAGACTTCCGATCAAGCTTAAAT 361	
362 GTTTGTTATTCATTAATTAATGACTTCCCTGCTGTTACTTAATTAATTAATGATGAGAAC 421	
362 GTTTGTTATTCATTAATTAATGACTTCCCTGCTGTTACTTAATTAATTAATGATGAGAAC 421	
421 TGTGTTTTTTCTCGCTTGTGTTTTTCACTTTGCTGTTCTGTGAGCAATATGTATTCGT 480	
421 TGTGTTTTTTCTCGCTTGTGTTTTTCACTTTGCTGTTCTGTGAGCAATATGTATTCGT 480	
482 GTCAATAATAAGTCAGTGTGATTCGG 508	
482 GTCAATAATAAGTCAGTGTGATTCGG 508	
481 GTCAATAATAAGTCAGTGTGATTCGG 507	
481 GTCAATAATAAGTCAGTGTGATTCGG 507	
RESULT 3	
BS481544	
LOCUS	886 bp mRNA linear EST 21-MAR-2001
BS481544	

DEFINITION	602528456E1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:4652028 5', mRNA sequence.
ACCESSION	BC481544
VERSION	BC481544.1 GI:13413823
KEYWORDS	EST.
SOURCE	human.
ORGANISM	Homo sapiens
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
AUTHORS	1 (bases 1 to 886)
TITLE	NIH-MGC http://mgc.nci.nih.gov/ .
JOURNAL	National Institutes of Health, Mammalian Gene Collection (MGC)
COMMENT	Unpublished (1999) Contact: Robert Strausberg, Ph.D. Email: cgabbs-remail.nih.gov Tissue Procurement: ATCC cDNA Library Preparation: Ling Hong/Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNL) DNA Sequencing by: Incyte Genomics, Inc. Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LNL at: http://image.lnl.gov Plate: L1CML435 row: p column: 13 High quality sequence steps: 529. Location/Qualifiers 1. 886 /organism="Homo sapiens" /db_xref="taxon:9606" /clone="IMAGE:4652028" /clone_lib="NIH_MGC_21" /tissue_type="choriocarcinoma" /lab_host="DH10B (phage-resistant)" /note="Organ: placenta; Vector: pOTB7; site_1: XhoI; site_2: EcoRI; cDNA made by oligo-dT priming. Directionally cloned into EcoRI/XhoI sites using the following 5' adaptor: GGCAGCAG(C) Size-selected >500bp for average insert size 1.8kb. Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies)."
BASE COUNT	266 a 193 c 234 g 193 t
ORIGIN	
Query Match	97.4%; Score 495; DB 12; Length 886;
Best Local Similarity	99.8%; Pred. No. 3.9e-90;
Matches 506; Conservative	0; Mismatches 0; Indels 1; Gaps 1;
QY	2 CCAAAATGCGGCAGCAGTGTGATGTACCCCGAGCGGACCAACAGCGCGCGGCA 61
DB	2 CCAAAATGCGGCAGCAGTGTGATGTACCCCGAGCGGACCAACAGCGCGCGGCA 61
QY	62 ACAAGCGCTTTAAGGAAAAAGTGAATGACGTAGCCCTGGGCGTGGATTTGGG 121
DB	62 ACAAGCGCTTTAAGTGAAGAAAAAGTGAATGACGTAGCCCTCTGGGCTGGATTTGGG 121
QY	122 TTGATACTGTGCATCTGACAGAACCAACATTATGATCTTTGCATAGATGTCAAGCTA 181
DB	122 TTGATACTGTGCATCTGACAGAACCAACATTATGATCTTTGCATAGATGTCAAGCTA 181
QY	182 ACCAGCGCTCGCTACTTCAGAGAGTGTACTGTGCATGGGAGTCTGTAAACATGCTT 241
DB	182 ACCAGCGCTCGCTACTTCAGAGAGTGTACTGTGCATGGGAGTCTGTAAACATGCTT 241
QY	242 TTCACGTCCACGTGACATCTGCTGGCTCAAAACAGACAGGTGTGTCATTGGACAACA 301
DB	242 TTCACGTCCACGTGACATCTGCTGGCTCAAAACAGACAGGTGTGTCATTGGACAACA 301
QY	302 GAGAGTGGGAATTCAAAAGTATGGGCACTAGAAAAGACTTCTTCATCAAGCTTAATT 361
DB	302 GAGAGTGGGAATTCAAAAGTATGGGCACTAGAAAAGACTTCTTCATCAAGCTTAATT 361
QY	362 GTTTTGTATTCATTTAATTTGACTTTCCCTGCTGTACCTAATTAACAAATTGGATGAAC 421

Db	362	GTATTGTAATTCATTTAA-TGACATTCCTCCCTGCTGTACCTAATTCACAAATTCAGATGAGAC	420
Qy	422	TGTGTTTTTTCCTGCTTTGTTTTTTCAGTTTGCTTTCTGTAGCCATATGTATTCGT	481
Db	421	TGTGTTTTTTCCTGCTTTGTTTTTTCAGTTTGCTTTCTGTAGCCATATGTATTCGT	480
Qy	482	GTCAATAAAGTCAGTTGATTCGG	508
Db	481	GTCAATAAAGTCAGTTGATTCGG	507
RESULT 4			
LOCUS	BO216738	945 bp	mRNA linear EST 02-MAY-2002
DEFINITION	AGENCOURT_7575192 NIH_MGC_72 Homo sapiens CDNA clone IMAGE:6049202		
ACCESSION	BO216738		
VERSION	BO216738.1		
KEYWORDS	EST.		
SOURCE	human.		
ORGANISM	Homo sapiens		
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;		
AUTHORS	Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.		
TITLE	1 (bases 1 to 945)		
JOURNAL	NIH-MGC http://mgc.nci.nih.gov/		
COMMENT	National Institutes of Health, Mammalian Gene Collection (MGC) unpublished (1999)		
	Contact: Robert Strausberg, Ph.D.		
	Email: cga@bbs-remail.nih.gov		
	Tissue Procurement: ATCC/DCWD/DPF		
	cDNA Library Preparation: Life Technologies, Inc.		
	cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNLN)		
	DNA Sequencing by: Agencourt Bioscience Corporation		
	Clone distribution: MGC clone distribution information can be		
	found through the I.M.A.G.E. Consortium/LNLN at:		
	http://image.llnl.gov		
	Plate: L1M13299 row: h column: 03		
	High quality sequence stop: 543.		
FEATURES			
source	Location/Qualifiers		
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	/note="Organ: skin; Vector: pCMV-SPORT6; Site 1: NotI;		
	Site 2: SalI; Cloned unidirectionally. Primer: Oligo dT.		
	Average insert size 2 kb. Library constructed by Life		
	Technologies."		
BASE COUNT	240 a 235 c 230 g 240 t		
ORIGIN			
Query Match	97.4%;	Score 495;	DB 14; Length 945;
Best Local Similarity	99.8%;	Pred. No. 3.8e-90;	
Matches 506; Conservative	0; Mismatches 0;	Indels 1;	Gaps 1.
Qy	2	CCAAATATGCGGAGAGATGATGTGATACCCCGAGCGGACCAACACAGCGCGGCGCA	61
Db	28	CCAAATATGCGGAGAGATGATGTGATACCCCGAGCGGACCAACACAGCGCGGCGCA	87
Qy	62	AGAAAGCGCTTTGAAGTGAAGAAAGTGAATGACAGTACCCCTCTGGGCTTGGATATTGTGG	121
Db	88	AGAAAGCGCTTTGAAGTGAAGAAAGTGAATGACAGTACCCCTCTGGGCTTGGATATTGTGG	147
Qy	122	TGTATTAAGTGTGTCATCTGCAGAACACCATTAATGATTTTGATAGATGTCAAGCTA	181
Db	148	TGTATTAAGTGTGTCATCTGCAGAACACCATTAATGATTTTGATAGATGTCAAGCTA	207
Qy	182	ACCAGGCGCTCCCTACTTGAAGAAAGTACTGTGCATGGGGAGCTGAACCATGCTT	241
Db	208	ACCAGGCGCTCCCTACTTGAAGAAAGTACTGTGCATGGGGAGCTGTGAACCATGCTT	267

FEATURES
Plate: LLAMI0669 row: 1 column: 20
High quality sequence stop: 591.
Location/Qualifiers

RESULT	8
LOCUS	BM459634
DEFINITION	BM459634 904 bp mRNA linear EST 05-FEB-2007
ACCESSION	AF580007.6417786 NIH_MGC_71 Homo sapiens cDNA clone IMAGE:5534260
VERSION	BM459634
KEYWORDS	EST.
SOURCE	human.
ORGANISM	Homo sapiens
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo. 1 (bases 1 to 904)

Db 181 CAGCGCTCCGCTACTTCAGAGAGTGTACTGTGCATGGGGAGTCTGTAAACCATCTTTT 240
 Qy 244 CACTTCACACTGCTCTCTGCTGCTCAAAACACACAGAGTGTCTCATTTGACAAACAGA 303
 Db 241 CACTTCACACTGCTCTCTGCTGCTCAAAACACACAGAGTGTCTCATTTGACAAACAGA 300
 Qy 304 GAGTGGGAATTCACAAAGATGAGGACATGAGAAAGACTCTTCATCAACAGCTTAATGT 363
 Db 301 GAGTGGGAATTCACAAAGATGAGGACATGAGAAAGACTCTTCATCAACAGCTTAATGT 360
 Qy 364 TTTGTTATTCATTAATGACCTTCCCTGCTCTTACCTAATTAACAATTTGATGACACTG 423
 Db 361 TTTGTTATTCATTAATGACCTTCCCTGCTCTTACCTAATTAACAATTTGATGACACTG 419
 Qy 424 TGTCTTTTTCCTGCTTTGTTTTCAGTTGCTGTTCTGTACCAATTTGATTTCTGCT 483
 Db 420 TGTCTTTTTCCTGCTTTGTTTTCAGTTGCTGTTCTGTACCAATTTGATTTCTGCT 479
 Qy 484 CAAATTAAGTCCAGTTGATTTCTG 507
 Db 480 CAAATTAAGTCCAGTTGATTTCTG 503

RESULT 10
 BM757406 529 bp mRNA linear EST 04-MAR-2002
 LOCUS K-EST0036388 SISNUS Homo sapiens cDNA clone SISNUS-29-H12 5', mRNA
 DEFINITION
 ACCESSION BM757406
 VERSION BM757406.1 GI:19087021
 KEYWORDS
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE
 1 (bases 1 to 529)
 Kim,N.S., Hahn,Y., Oh,J.H., Lee,J.Y., Ahn,H.Y., Chu,M.Y., Kim,M.R.,
 Oh,K.J., Cheong,J.E., Sohn,H.Y., Kim,J.M., Park,H.S., Kim,S. and
 Kim,Y.S.

TITLE 21C Frontier Korean EST Project 2001
 JOURNAL Unpublished (2002)
 COMMENT Contact: Kim YS
 Genome Research Center
 Korea Research Institute of Bioscience & Biotechnology
 52 Eoeun-dong Yuseong-gu, Daejeon 305-333, South Korea
 Tel: +82-42-860-4470
 Fax: +82-42-860-4409
 Email: yongsung@mail.kribb.re.kr
 Plate: 29 row: H column: 12
 High quality sequence stop: 529.

FEATURES

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 /db_xref="taxon:9606"
 /clone="SISNUS-29-H12"
 /clone_lib="SISNUS"
 /sex="F"
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 /cell_type="Lymphoblast-like"
 /lab_host="SNU-5"
 /note="Organ: Stomach; Vector: pcNS; Site: 1; EcoRI; Site: 2; NotI; The poly (A) + RNA was dephosphorylated with bacterial alkaline phosphatase (BAP) and then dephosphorylated with tobacco acid pyrophosphatase (TAP). The dephosphorylated intact mRNA was ligated with DNA-RNA linker including EcoRI I site by treatment of T4 RNA ligase and the first strand cDNA was synthesized from oligo dt-selected mRNA by priming with dt-tailed vector. The dt-tailed vector was adjusted to have about 60nt. The cDNA vector was circularized with E. coli DNA ligase after digestion of EcoRI which site is also included in vector. An RNA strand converted to a DNA strand by Okayama-Berg method. The

obtained cDNA vectors were used for transformaton of competent cells E. coli Top10F⁺ by electroporation method. The cDNA libraries constructed by this method are full-length enriched cDNA library.

Query Match 96.7%; Score 491; DB 14; Length 529;
 Best Local Similarity 99.8%; Pred. No. 2.8e-89;
 Matches 502; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

BASE COUNT 141 a 107 c 126 g 155 t
 ORIGIN
 Qy 2 CCAAAATGGCGGACGATGATGTGATACCCGAGCGGACCAACAGCGCCGAGCA 61
 Db 28 CCAAAATGGCGGACGATGATGTGATACCCGAGCGGACCAACAGCGCCGAGCA 87
 Qy 62 ACAAAGCGCTTAAAGTGAAGAAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 121
 Db 88 ACAAAGCGCTTAAAGTGAAGAAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 147
 Qy 122 TTGATTAAGTGTCCATCTGACGAGAACACATTAATGATCTTTCATAGATGCAAGCTA 181
 Db 148 TTGATTAAGTGTCCATCTGACGAGAACACATTAATGATCTTTCATAGATGCAAGCTA 207
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 Db 268 TTCACCTTCACATGATCTGCTGCTGCTCAAAACACAGAGTGTGTCATTTGACACACA 327
 Qy 302 GAGAGTGGGAATTCACAAAGTATGGGACACTAGAAAGACTCTTCATCAAGCTTAAT 361
 Db 328 GAGAGTGGGAATTCACAAAGTATGGGACACTAGAAAGACTCTTCATCAAGCTTAAT 387
 Qy 362 GTTTTGTATTCATTAATTTGACTTCCCTGCTGTATTCATTAATTAACAATTTGATGAGAAC 421
 Db 388 GTTTTGTATTCATTAATTTGACTTCCCTGCTGTATTCATTAATTAACAATTTGATGAGAAC 446
 Qy 422 TGTCTTTTTCCTGCTTTGTTTTCAGTTGCTGTTCTGTACCAATTTGATTTCTGCT 481
 Db 447 TGTCTTTTTCCTGCTTTGTTTTCAGTTGCTGTTCTGTACCAATTTGATTTCTGCT 506
 Qy 482 GTCAATTAAGTCCAGTTGATTTCTG 504
 Db 507 GTCAATTAAGTCCAGTTGATTTCTG 529

RESULT 11
 AV715190 607 bp mRNA linear EST 11-OCT-2000
 LOCUS AV715190 DCB Homo sapiens cDNA clone DCBBK801 5', mRNA sequence.
 DEFINITION
 ACCESSION AV715190
 VERSION AV715190.1 GI:10796707
 KEYWORDS
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE

1 (bases 1 to 607)
 Xu,X., Gu,J., Liu,F., Qu,J., Zhao,M., Li,Y., Huang,Q., Zhou,J.,
 Song,H., Gu,Y., Yang,Y., Gao,G., Xiao,H., Li,N., Qian,B., Gao,X.,
 Cheng,Z., Xu,S., Gu,W., Tu,Y., Jia,J., Fu,G., Ren,S., Zhong,M., Lu
 G., Cheng,Z. and Han,Z.
 Homo sapiens cDNA DCB clones
 Unpublished (2000)
 CONTACT: Zeguang Han
 Chinese National Human Genome Center at Shanghai
 351 Guo Shoujing Road, Zhangjiang Hi-Tech Park, Pudong, Shanghai
 201203, P. R. China
 Tel: 86-21-50801919(ex. 45)
 Fax: 86-21-50801922
 Email: hanzg@chgc.sh.cn

JOURNAL

COMMENT Unpublished (2000)
 Contact: Zeguang Han
 Chinese National Human Genome Center at Shanghai
 351 Guo Shoujing Road, Zhangjiang Hi-Tech Park, Pudong, Shanghai
 201203, P. R. China
 Tel: 86-21-50801919(ex. 45)
 Fax: 86-21-50801922
 Email: hanzg@chgc.sh.cn

|||||
Db 241 TTCCAGTCACTCTCTCGCTGCTCAAAAACAGACAGAGTGTGCTCCATTGGACACAGAGAG 300
Qy 307 TGGGAATTCACAAAGACTATGGGCACATAGAGAAAAGACTTCTCCATCAGCTTAATGTTT 366
Db 301 TGGGAATTCACAAAGACTATGGGCACATAGAGAAAAGACTTCTCCATCAGCTTAATGTTT 360
Qy 367 GTTATTCATTTAATGACCTTCCCTGCTGTTACCTAATTTACAAATGATGAGACTGTGT 426
Db 361 GTTATTCATTTAA-TGACTTTCCCTGCTGTTACCTAATTTACAAATGATGAGACTGTGT 419
Qy 427 TTTTCTGCTTTGTTTTCAGTTTGTGCTGTTCTGTAGCCATATTTGATTTCTGTCAA 486
Db 420 TTTTCTGCTTTGTTTTCAGTTTGTGCTGTTCTGTAGCCATATTTGATTTCTGTCAA 479
Qy 487 ATAAAGTCCAGTTGATTCGTGG 508
Db 480 ATAAAGTCCAGTTGATTCGTGG 501
RESULT 15
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LOCUS 60214129F1 NIH_MGC_46 Homo sapiens cDNA clone IMAGE:4302415 5',
DEFINITION mRNA sequence.
ACCESSION BF684301 GI:11969709
VERSION BF684301.1
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
REFERENCE 1 (bases 1 to 520)
AUTHORS NIH-MGC http://mgc.nci.nih.gov/
TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished (1999)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgabs-remail.nih.gov
Tissue Procurement: ATCC
CDNA Library Preparation: Ling Hong/Rubin Laboratory
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LNL at:
http://image.llnl.gov
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High quality sequence stop: 517.
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/clone="IMAGE:4302415"
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/lab_host="DH10B (phage-resistant)"
/note="Organ: uterus; Vector: pORF7; Site_1: XhoI; Site_2:
EcoRI; cDNA made by oligo-dT priming. Directionally cloned
into EcoRI/XhoI sites using the following 5' adaptor:
GGCAGGAG(C). Size-selected >500bp for average insert size
1.8kb. Library constructed by Ling Hong in the laboratory
of Gerald M. Rubin (University of California, Berkeley)
using Zap-cDNA synthesis kit (Stratagene) and Superscript
II RT (Life Technologies). Note: this is a NIH_MGC
Library."
BASE COUNT 141 a 105 c 125 g 148 t 1 others
ORIGIN
Query Match 95.6%; Score 485.4; DB 12; Length 520;
Best Local Similarity 99.4%; Pred. No. 3.8e-88;
Matches 497; Conservative 0; Mismatches 2; Indels 1; Gaps 1;
Qy 9 GGCAGGAGGATGATGTGATACCCCGAGGACACAGCGGCGGCAAGAGCG 68
|||||

Db 1 GGCAGGAGGATGATGTGATACCCCGAGGACACAGCGGCGGCAAGAGCG 60
Qy 69 CTTTGAAGTGAAGAAAGTGAATGACAGTACCCTCTGGGCTGGATATTTGGTTGATTA 128
Db 61 CTTTGAAGTGAAGAAAGTGAATGACAGTACCCTCTGGGCTGGATATTTGGTTGATTA 120
Qy 129 CTGTGCACTTCGACAGGAACACATTTATGATCTTTGCAATAGANTGTCAAAGTAAACGAGC 188
Db 121 CTGTGCACTTCGACAGGAACACATTTATGATCTTTGCAATAGANTGTCAAAGTAAACGAGC 180
Qy 189 GTCCGCTACTTCAGAGAGTGTACTGTGCGATGGGAGCTGTACATGCTTTTCACCT 248
Db 181 GTCCGCTACTTCAGAGAGTGTACTGTGCGATGGGAGTGTGTACATGCTTTTCACCT 240
Qy 249 CCACATGATCTCTCGCTGCTCAAAAACAGACAGGTGTGTCCATTGACACACAGAGAGTG 308
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Qy 309 GGAATTCACAAAGTATGGGCACATAGAGAAAAGACTTCTTCATCAAGCTTAATGTTTGT 368
Db 301 GGAATTCACAAAGTATGGGCACATAGAGAAAAGACTTCTTCATCAAGCTTAATGTTTGT 360
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Db 361 TATTCATTTAA-TGACTTTCCCTGCTGTACCTAATTTACAAATGATGAGAACTGTGTT 419
Qy 429 TTTTCTGCTTTGTTTTCAGTTTGTGCTGTTCTGTAGCCATATTTGATTTCTGTCAAT 488
Db 420 TTTTCTGCTTTGTTTTCAGTTTGTGCTGTTCTGTAGCCATATTTGATTTCTGTCAAT 479
Qy 489 AAAGTCCAGTTGATTCGTGG 508
Db 480 AAAGTCCAGTTGATTCGTGG 499

Search completed: May 10, 2003, 22:56:58
Job time : 1751 secs